

ABSTRACT

In the present invention, in a power supply device for electric discharge machining including switching circuits that supply a discharge pulse current to an inter-electrode portion (105) that is a portion between an electrode and a workpiece serving as another electrode arranged to be opposed to the electrode at a predetermined interval, the switching circuits include two switching circuits that receives a control pulse signal (PC) of a predetermined pulse width, which is generated in response to discharge start in the inter-electrode portion (105), in parallel, that is, a switching circuit (6a, S2a) (6b, S2b) including switching elements suitable for a high-speed operation and a switching circuit (5a, S1a) (5b, S1b) including switching elements suitable for a low-speed operation to realize improvement in efficiency of wire electric discharge machining coping with a large current and a high-speed operation.